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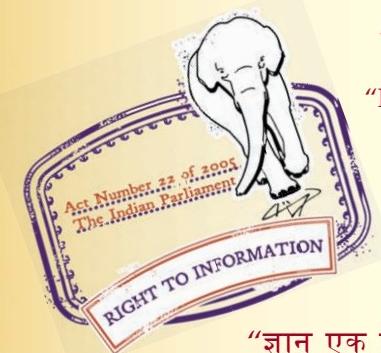
“Step Out From the Old to the New”

IS 4570-11 (1999): Crystal Unit Holders, Part 11: Metal ,
Welded, Two-Pin Crystal Unit Holder Type DQ [LITD 5:
Semiconductor and Other Electronic Components and Devices]

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“Knowledge is such a treasure which cannot be stolen”



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IS 4570 (Part 11) : 1999

भारतीय मानक

क्रिस्टल इकाई होल्डरों की विशिष्टि

भाग 11 धातु के वेल्डिंग, दो-पिन क्रिस्टल इकाई होल्डर टाइप डीक्यू

(पहला पुनरीक्षण)

Indian Standard

SPECIFICATION FOR CRYSTAL UNIT HOLDERS

PART 11 METAL, WELDED, TWO-PIN CRYSTAL UNIT HOLDER TYPE DQ

(*First Revision*)

ICS 31.140

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BUREAU OF INDIAN STANDARDS
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FOREWORD

This Indian Standard (Part 11) (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Piezoelectric Devices for Frequency Control and Selection Sectional Committee had been approved by the Electronics and Telecommunication Division Council.

The objective of this standard is to specify the outline dimensions, pin spacing and alignment gauge for crystal unit holder of Type DQ.

This Indian Standard is largely based on Sheet 33 of IEC 122-3 (1977), with Amendment No. 2 (1991) 'Quartz crystal units for frequency control and selection — Part 3 : Standard outlines and pin connections' issued by International Electrotechnical Commission (IEC).

The revision has been undertaken to align this standard with the latest international practices, and tolerances of dimensions, which do not effect the replaceability, have been deleted.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

*Indian Standard***SPECIFICATION FOR CRYSTAL UNIT HOLDERS****PART 11 METAL, WELDED, TWO-PIN CRYSTAL UNIT HOLDER TYPE DQ***(First Revision)***1 SCOPE**

1.1 This standard (Part 11) covers metal, welded, two-pin crystal unit holder Type DQ intended for use in electronic equipment.

2 REFERENCE

2.1 The following Indian Standard is a necessary adjunct to this standard:

<i>IS No.</i>	<i>Title</i>
4570 (Part 1) : 1983	Specification for crystal unit holders: Part 1 General requirements and tests (<i>first revision</i>)

3 TYPE DESIGNATION

3.1 The metal, welded, two-pin crystal unit holder covered in this standard shall be designated as metal, welded, two-pin crystal unit holder Type DQ.

4 OUTLINE AND DIMENSIONS

4.1 The outline and dimensions shall be according to Fig. 1 and Table 1.

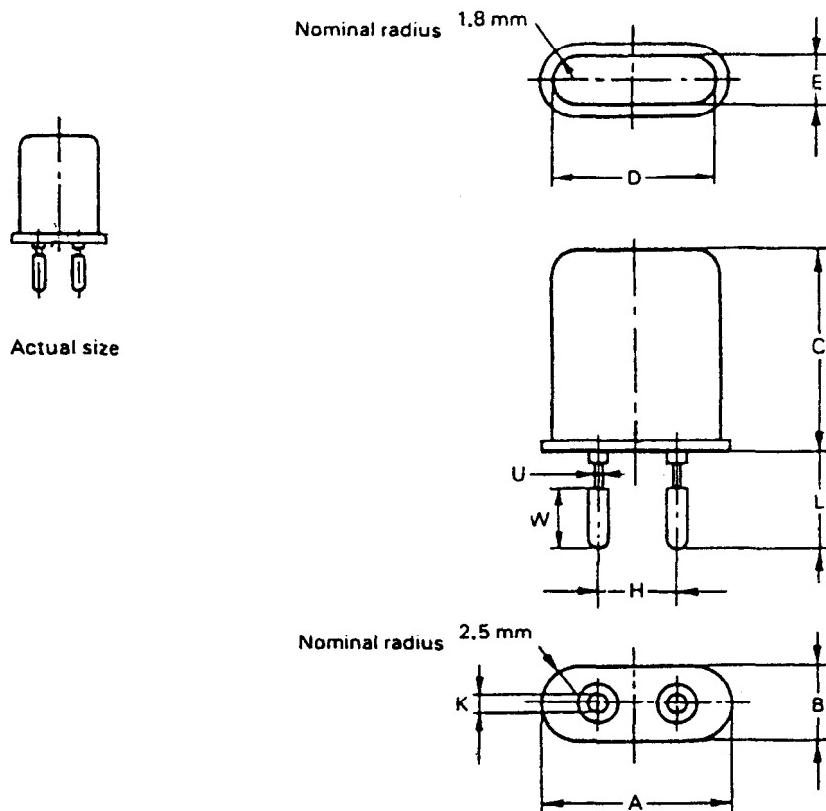


FIG. 1 OUTLINE OF CRYSTAL UNIT HOLDERS

Table 1 Dimensions
(Clause 4.1)

Sl No.	Ref	Millimetres			Notes
		Min	Nom	Max	
i)	A	—	—	11.10	
ii)	B	—	—	5.00	
iii)	C	—	—	13.50	
iv)	D	—	—	10.20	
v)	E	—	—	3.80	
vi)	H	4.67	4.90	5.08	
vii)	K	0.97	1.00	1.07	
viii)	L	5.66	—	6.30	1
ix)	U	0.69	—	—	2
x)	W	4.45	—	—	2

NOTES

1 Pin ends to be rounded.

2 The use and shape of the undercut are at the discretion of the manufacturer.

3 The crystal unit outline may be manufactured in either 'cold-welded' or 'resistance-welded' form and are distinguished by letter 'C' for the cold welded or the letter 'R' for the resistance-welded form by adding the letter at the end of the type code (for example, DQC or DQR).

5 MATERIALS, CONSTRUCTION AND WORKMANSHIP

5.1 See 5 of IS 4570 (Part 1).

6 MARKING

6.1 See 6 of IS 4570 (Part 1).

7 TESTS

7.1 See 7 of IS 4570 (Part 1).

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Amendments Issued Since Publication

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